

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/007287

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23C9/152 A23C9/123 A23L1/30 A23D7/01

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23D A23C A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, FSTA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/61771 A (MONSANTO CO) 19 October 2000 (2000-10-19) table 8	1-9
X	----- ATTA, M. B., AND IMAIZUMI, K.: "Some characteristics of crude oil extracted from roselle ( <i>Hibiscus sabdariffa</i> L.) seeds cultivated in Egypt" JOURNAL OF OLEO SCIENCE, vol. 51, no. 7, 2002, pages 457-461, XP008025023 JAPAN OIL CHEMISTS SOCIETY, TOKYO, JP ISSN: 1345-8957 page 457, column 2 tables 1,2,4 ----- -/--	1-9

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the International filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the International search

1 November 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VENKATRAMESH, M., KARUNANANDAA, B., SUN, B., GUNTER, C. A., BODDUPALLI, S. AND KISHORE, G. M.: "Expression of a Streptomyces 3-hydroxysteroid oxidase gene in oilseeds for converting phytosterols to phytosteranols" PHYTOCHEMISTRY., vol. 62, 2003, pages 39-46, XP002262565 PERGAMON PRESS., GB ISSN: 0031-9422 page 40, column 1, paragraph 2; table 2	9
X	SANDERS, D. J., MINTER, H. J., HOWES, D., AND HEPBURN, P. A.: "the safety evaluation of phytosterol esters. Part 6. The comparative absorption and tissue distribution of phytosterols in the rat." FOOD AND CHEMICAL TOXICOLOGY., vol. 38, 2000, pages 485-491, XP002262566 ISSN: 0278-6915 page 486, column 1; table 1	9
X	WO 98/01759 A (FORBES MEDI TECH INC) 15 January 1998 (1998-01-15) cited in the application pages 23-24	9
X	US 2003/134833 A1 (WESTER INGMAR ET AL) 17 July 2003 (2003-07-17) column 6, paragraph 1	9,10
X	NORMEN, L., ET AL.: "The phytosterol content of some cereal foods commonly consumed in Sweden and in the Netherlands" JOURNAL OF FOOD COMPOSITION AND ANALYSIS., vol. 15, 2002, pages 693-704, XP002301893 GBACADEMIC PRESS, LONDON. abstract page 694, paragraph 1	1-9
Y		11
Y	HOWELL, T. J., ET AL.: "Phytosterols partially explain differences in cholesterol metabolism caused by corn or olive oil feeding" JOURNAL OF LIPID RESEARCH, vol. 39, 1998, pages 892-900, XP002301894 USBETHESDA, MD figure 1	11
A	WO 00/64921 A (FORBES MEDI TECH INC) 2 November 2000 (2000-11-02) claim 16	1-9
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A	<p>PHILIPS, K. M., RUGGIO, D.M., TOIVO, J. I., SWANK, M. A., AND SIMPKINS, A. H.: "Free and esterified sterol composition of edible oils and fats" JOURNAL OF FOOD COMPOSITION AND ANALYSIS., vol. 15, 2002, pages 123-142, XP002262567 ACADEMIC PRESS, LONDON., GB ISSN: 0889-1575 page 127, paragraph 2-4 table 2</p>	1-9
A	<p>----- LING W H ET AL: "ENHANCED EFFICACY OF SITOSTANOL-CONTAINING VERSUS SITOSTANOL-FREE PHYTOSTEROL MIXTURES IN ALTERING LIPOPROTEIN CHOLESTEROL LEVELS AND SYNTHESIS IN RATS" ATHEROSCLEROSIS., vol. 118, no. 2, 1995, pages 319-331, XP002044615 AMSTERDAM, NL ISSN: 0021-9150 See whole document</p>	1-9
A	<p>----- US 6 531 463 B1 (HILTUNEN RAIMO ET AL) 11 March 2003 (2003-03-11) claims 1-15</p>	1-9
A	<p>----- SILVA DA W G ET AL: "LA NOCCIOLA BRASILIANA (BERTHOLLETIA EXCELSA H.B.K., FAMIGLIA DELLE LECYTHIDACEAE). NOTA II. I LIPIDI - STUDI SULLA COMPOSIZIONE CHIMICA" RIVISTA ITALIANA DELLE SOSTANZE GRASSE., vol. 74, no. 7, July 1997 (1997-07), pages 311-314, XP000852534 MILAN., IT ISSN: 0035-6808 See whole document</p> <p>-----</p>	1-9

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